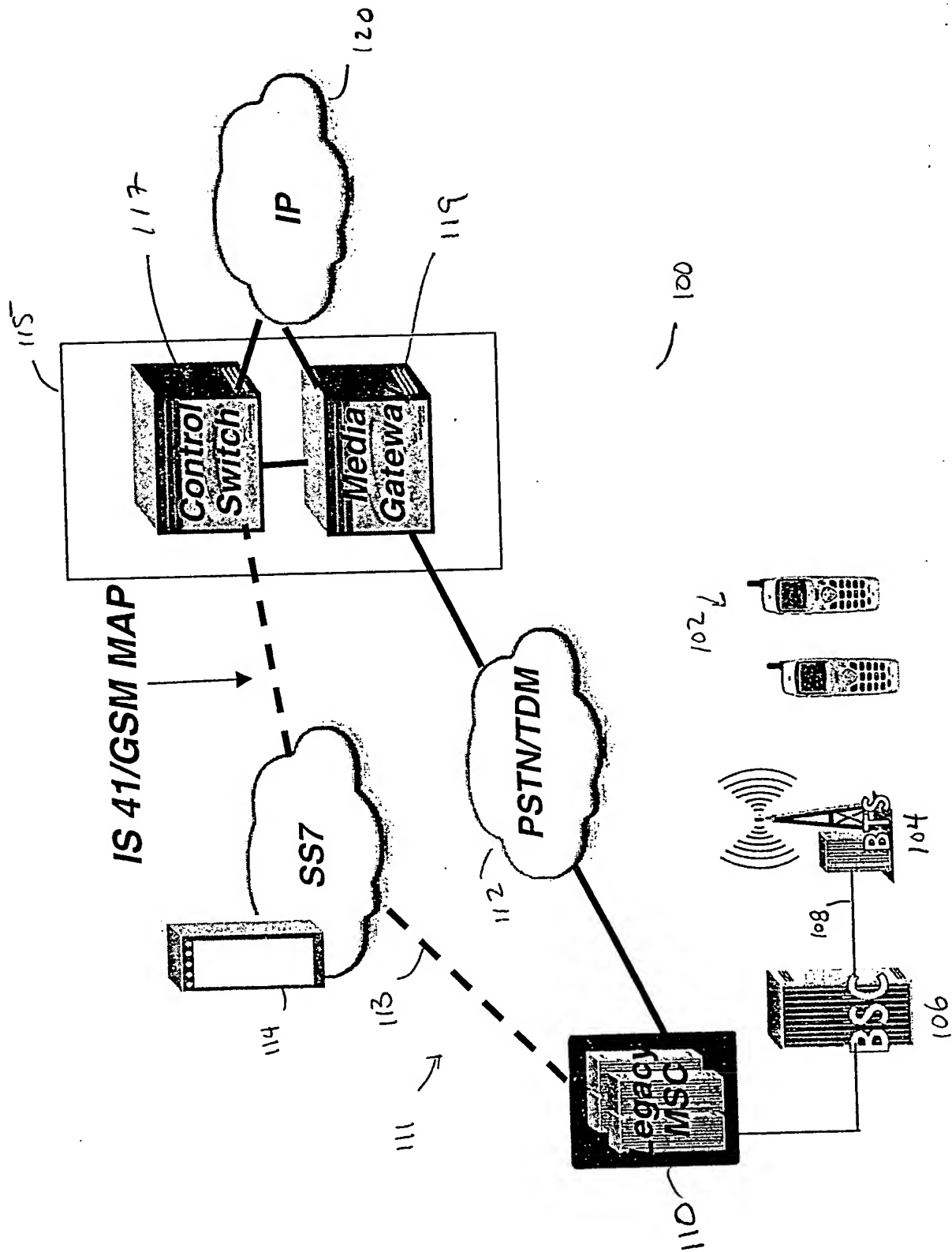
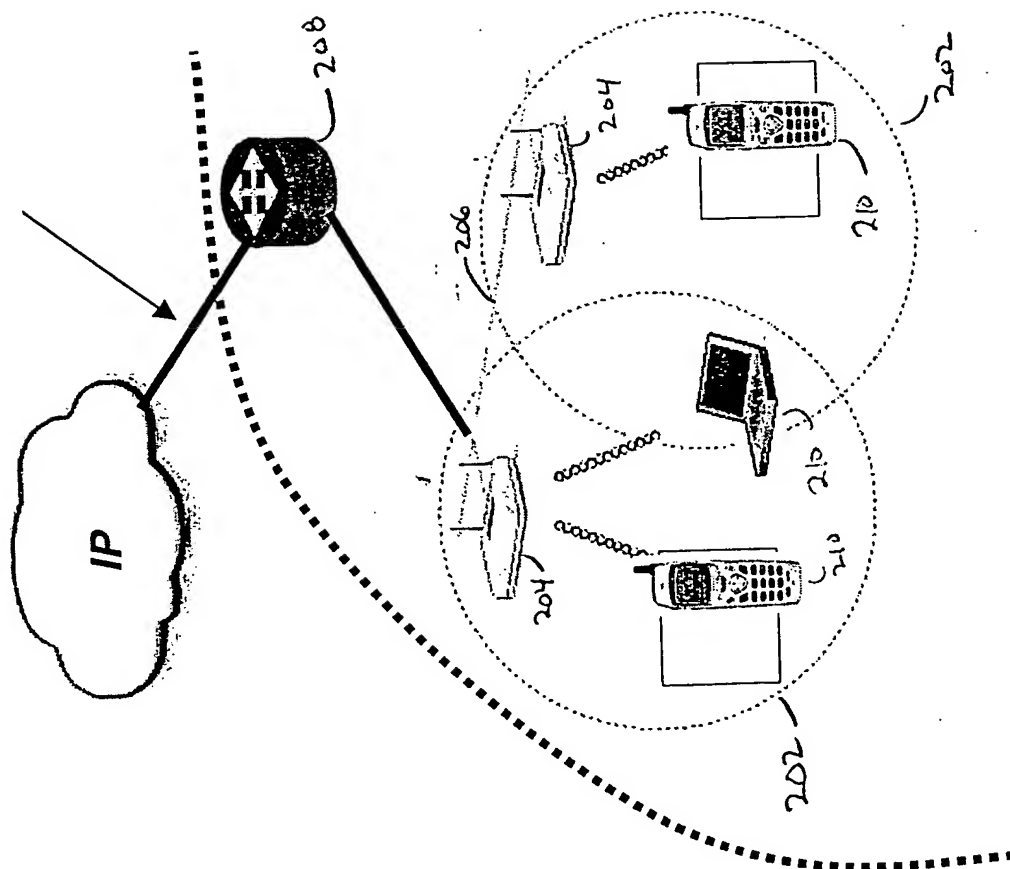


Fig. 1
Prior Art



202110-08025001

Fig. 2
Prior Art



200 —

Fig. 3

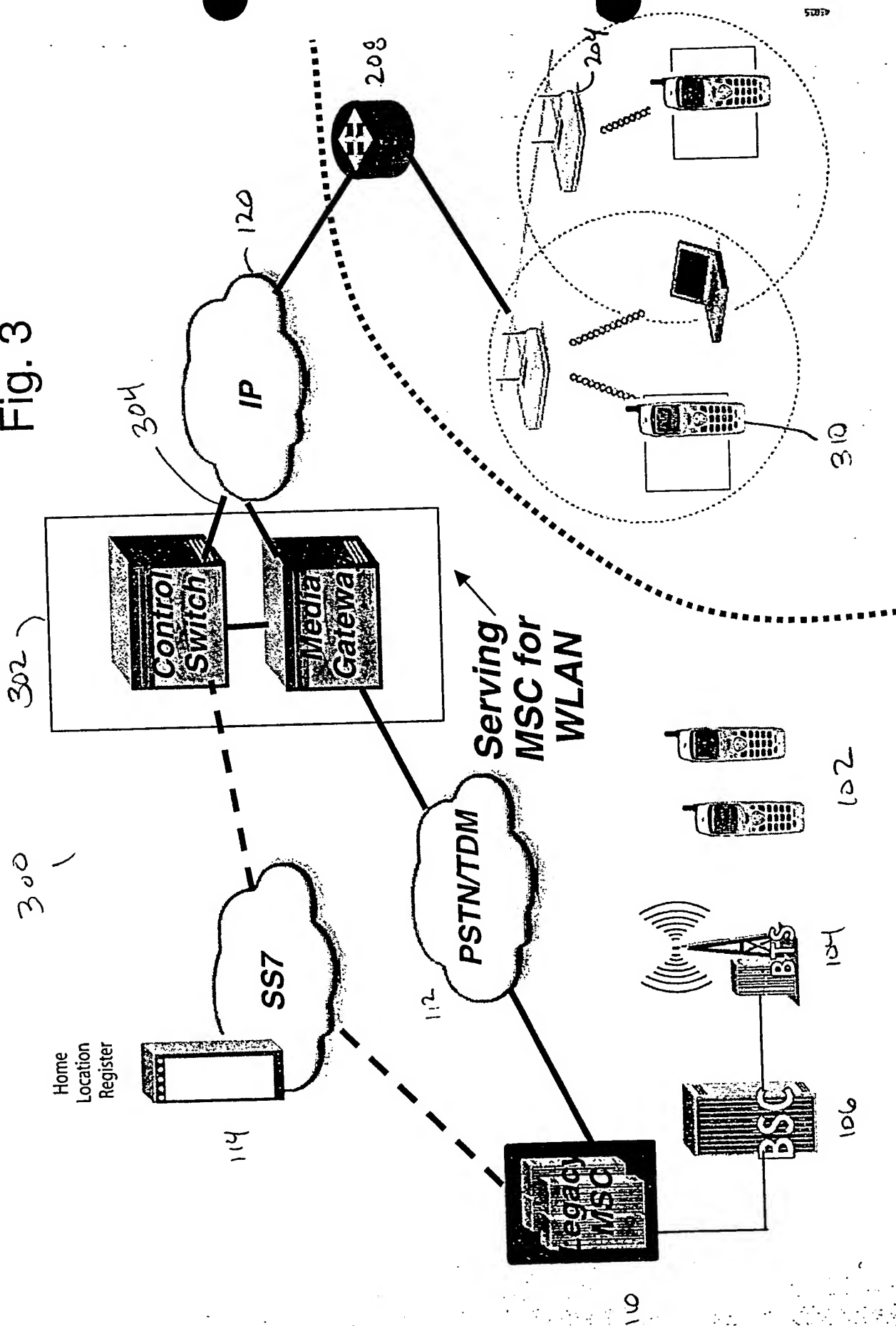
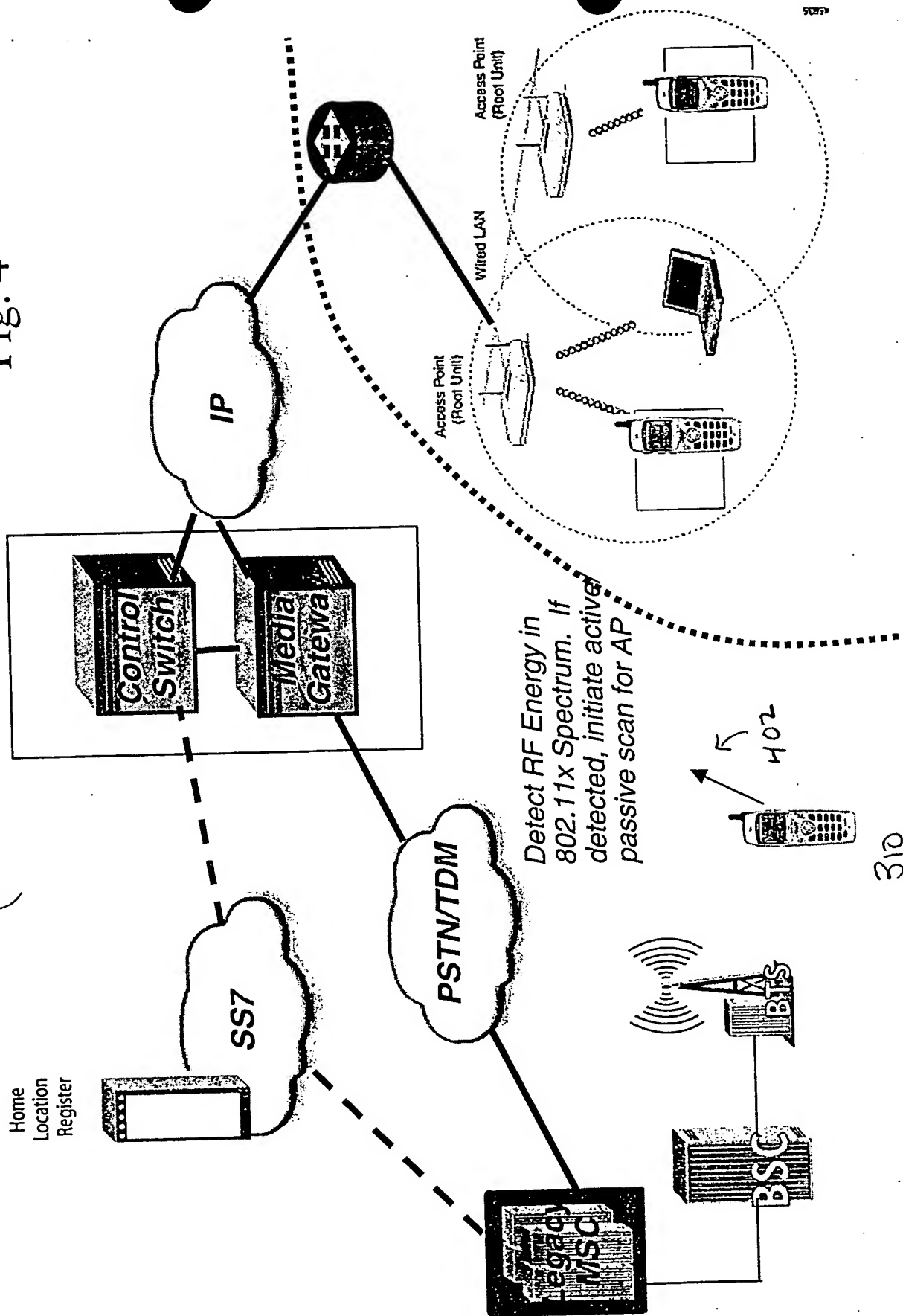


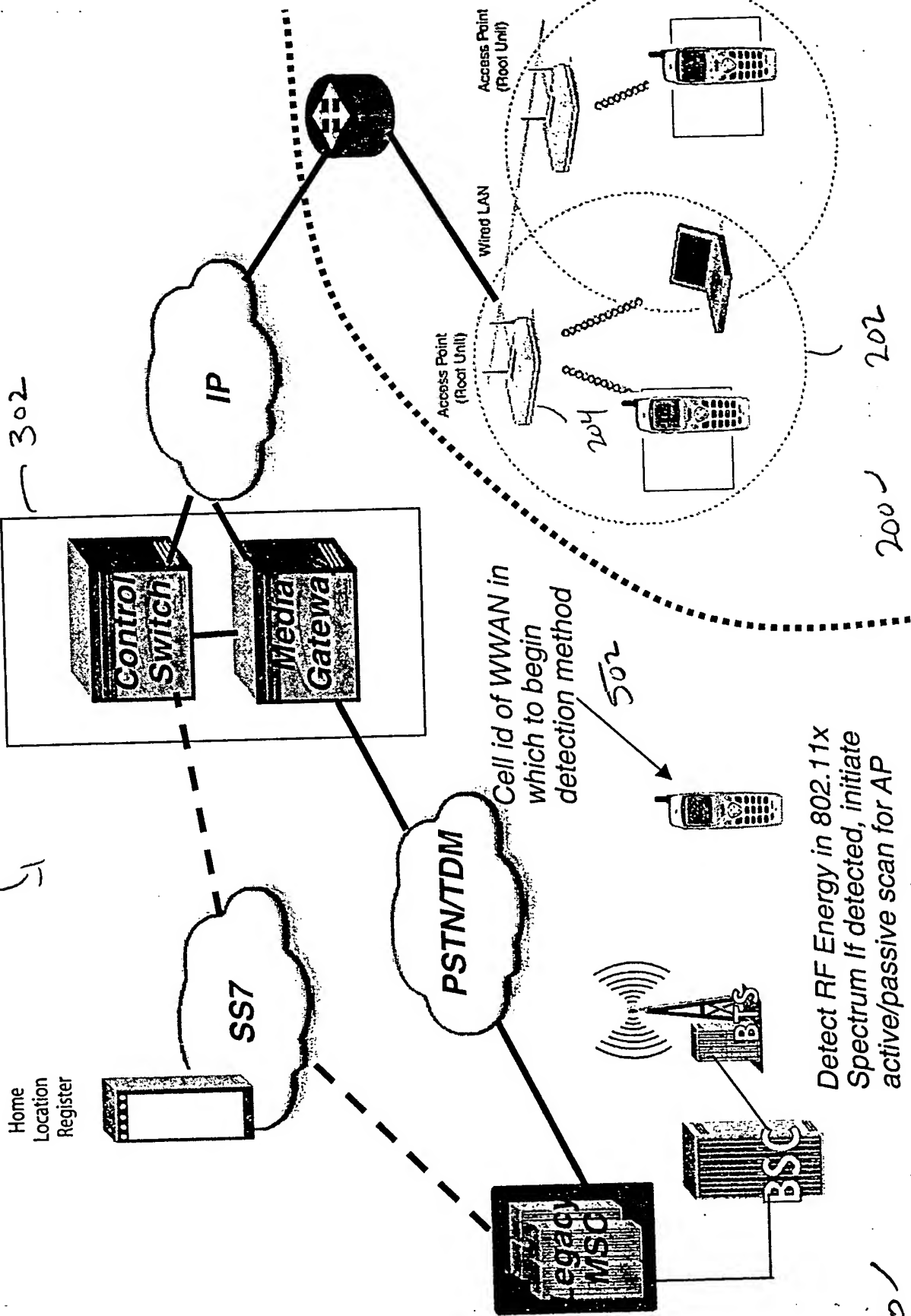
Fig. 4

300 (



310

300



Detect RF Energy in 802.11x Spectrum. If detected, initiate active/passive scan for AP

402

202

502

Cell id of WWAN in which to begin detection method

Access Point (Root Unit)

Access Point (Root Unit)

Wired LAN

IP

SS7

PSTN/TDM

Home Location Register

Control Switch

Media Gateway

Legacy MSC

BSC

BTS

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

Mobile Phone

202110-08025001

Fig. 6

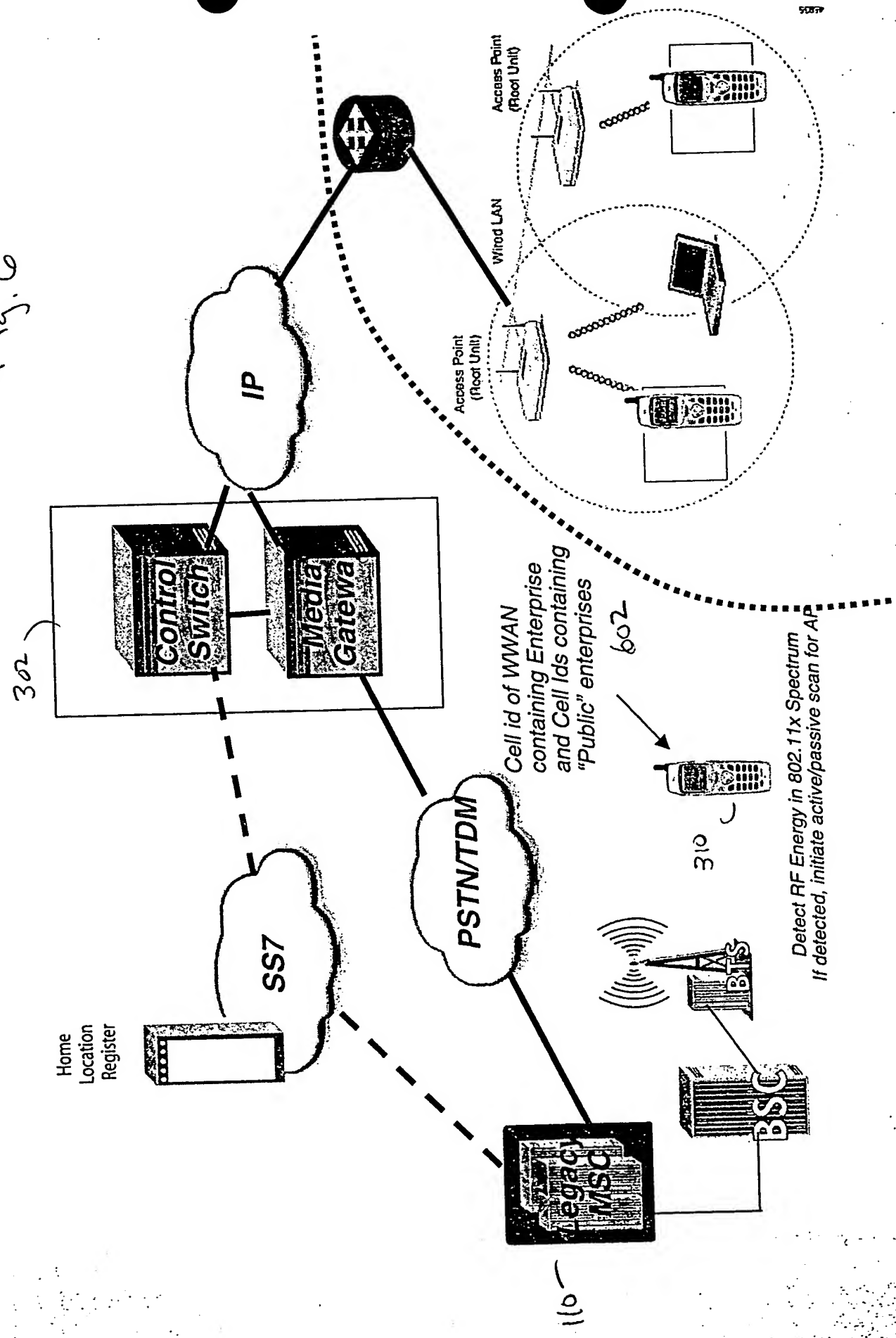


Figure 7

CDMA

Multi-mode Phone

IS95/CDMA2000

+

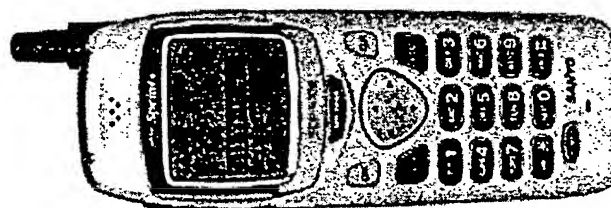
WLAN modem

+

VoIP (SIP/RTP/UDP/IP)

+

Mobility via Preferred
Embodiment Client



310)

GSM/UMTS

Multi-mode Phone

GSM/UMTS

+

WLAN modem

+

VoIP (SIP/RTP/UDP/IP)

+

Mobility via Preferred
Embodiment Client

Fig. 3

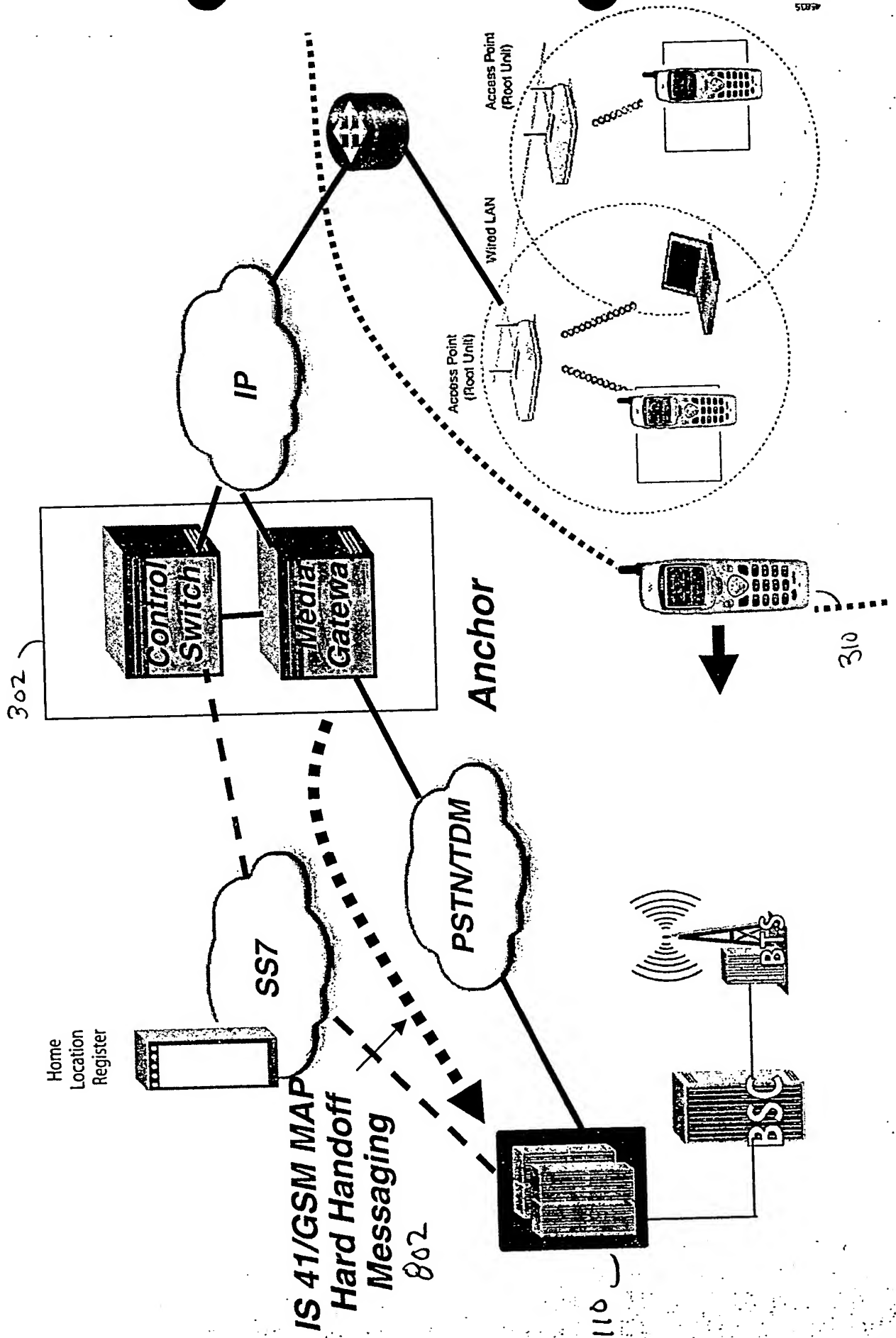
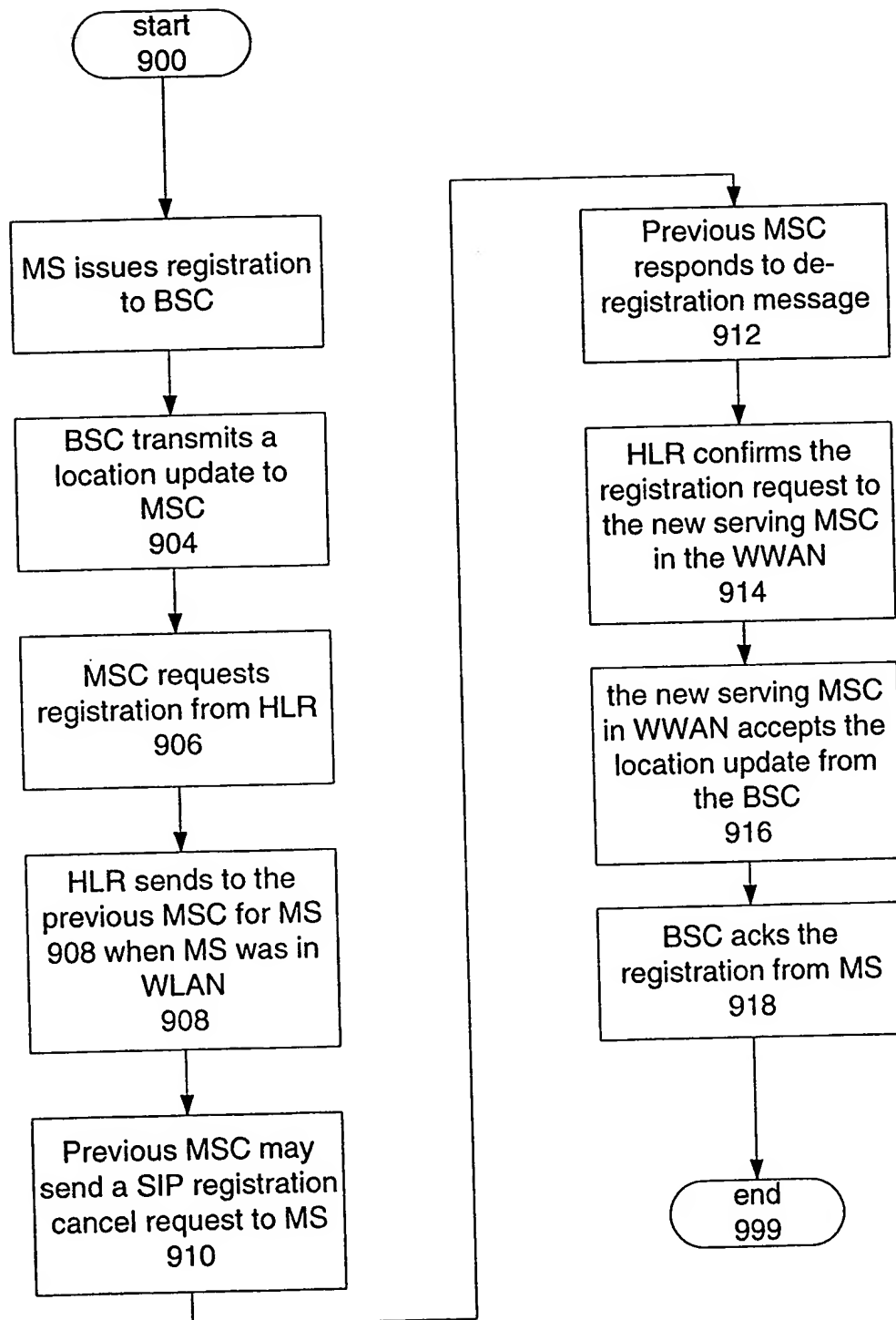


Fig. 9



2011-03-01 10:00:00

Figure 10

MS leaves 802.11 MSC area to IS41 MSC area

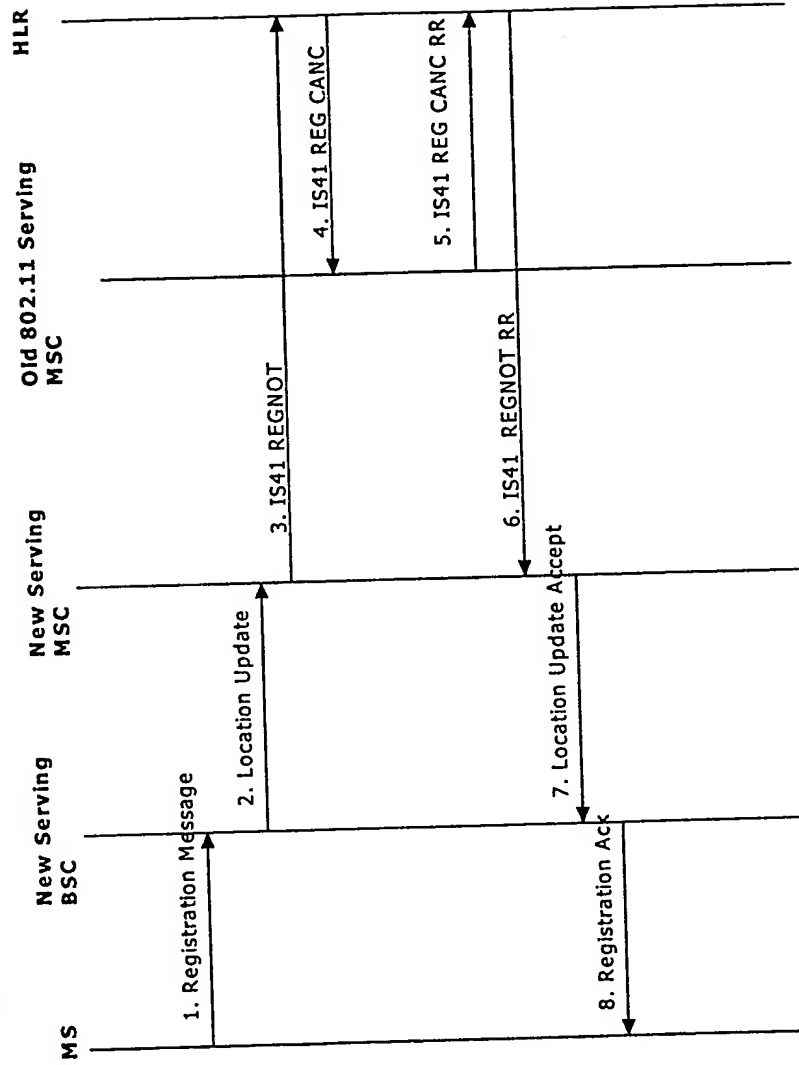


Figure 11

MS leaves 802.11 MSC area to GSM MSC area

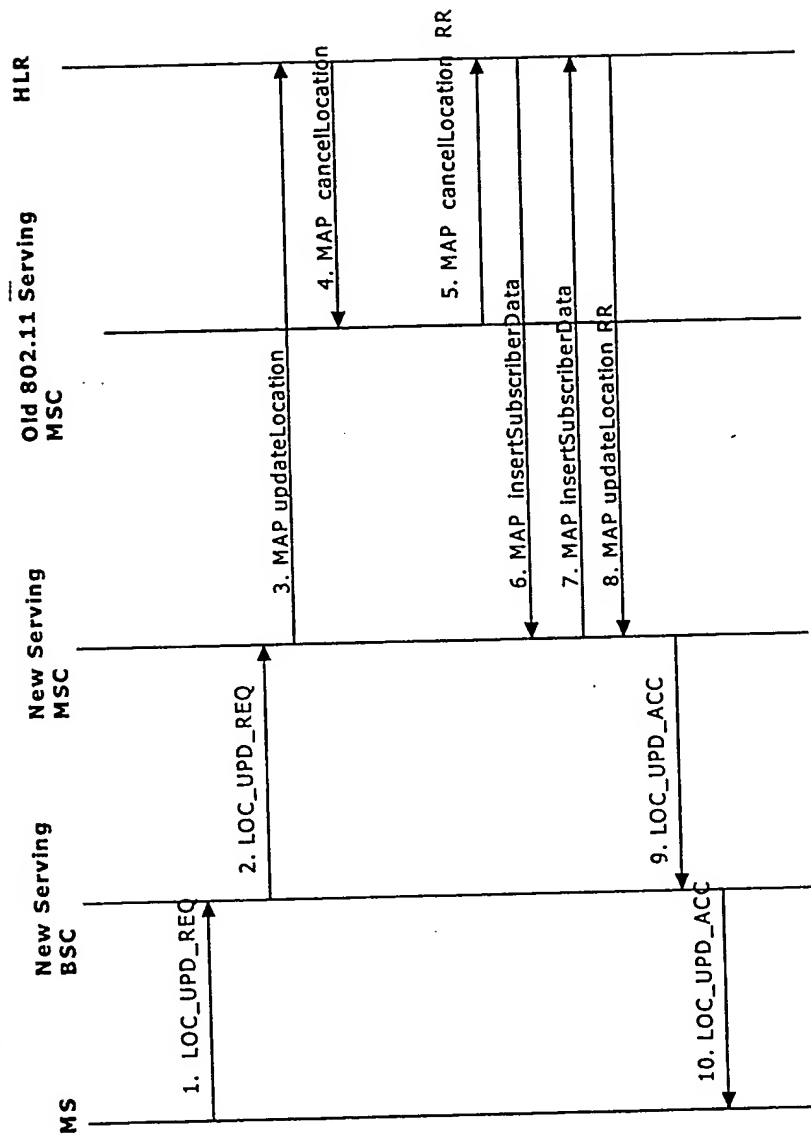


Fig. 12

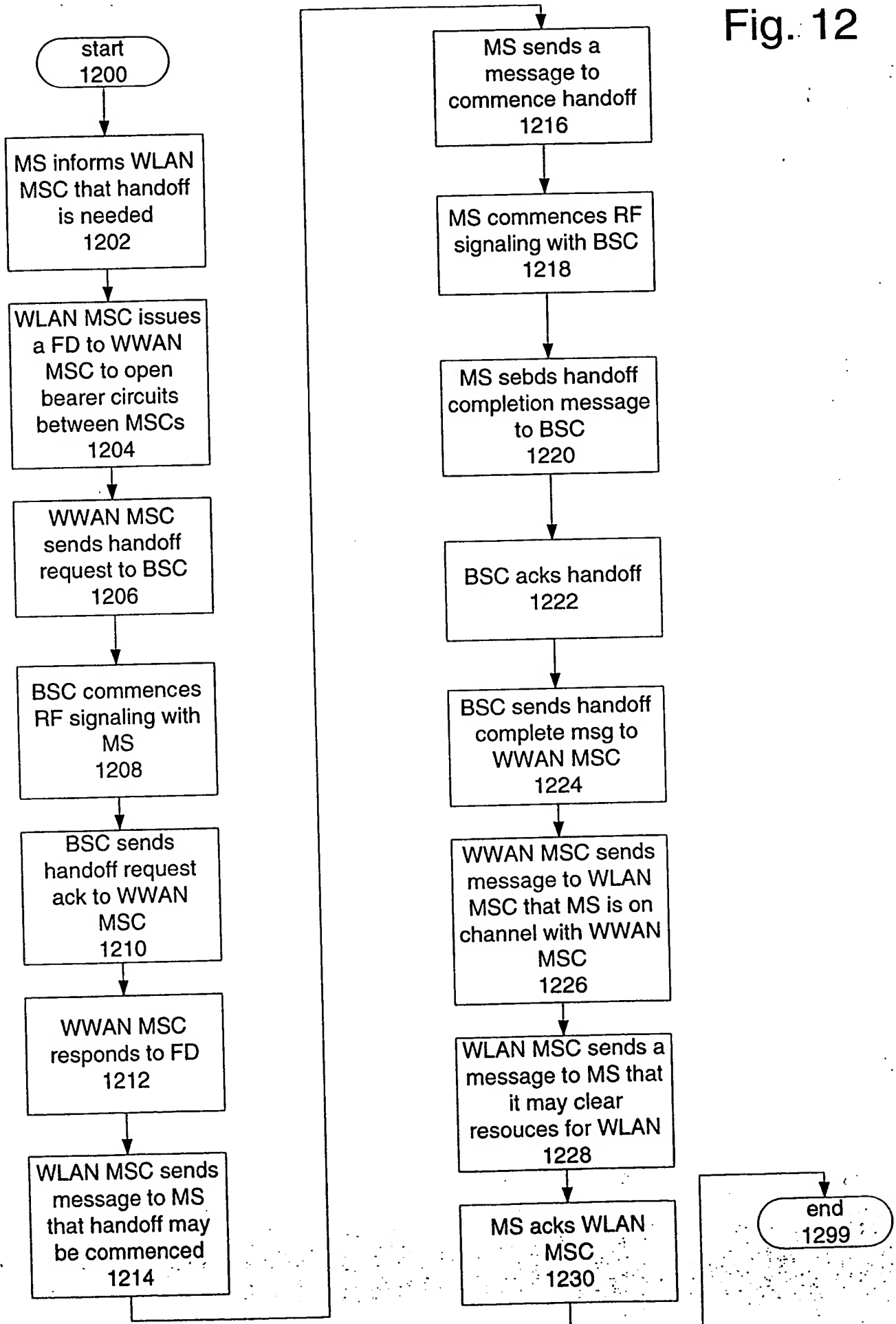


Figure 13

Hard Handoff from 802.11 MSC to Legacy IS41 MSC

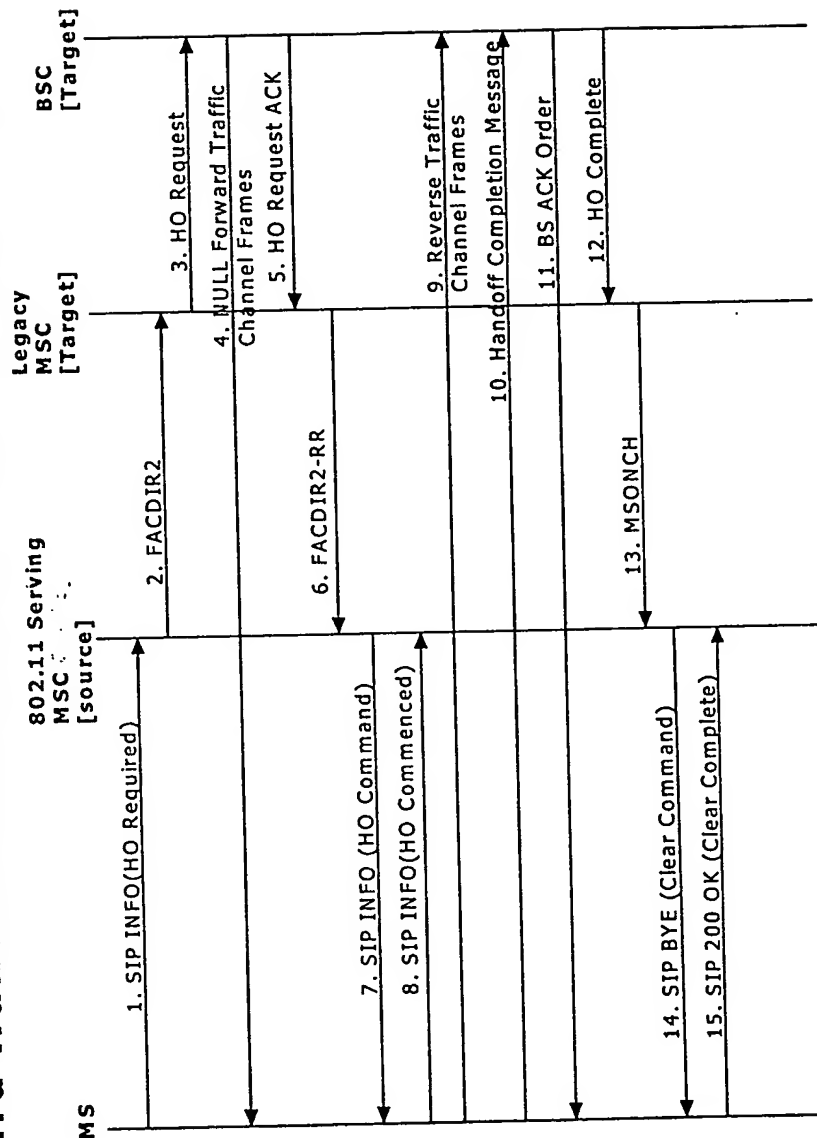
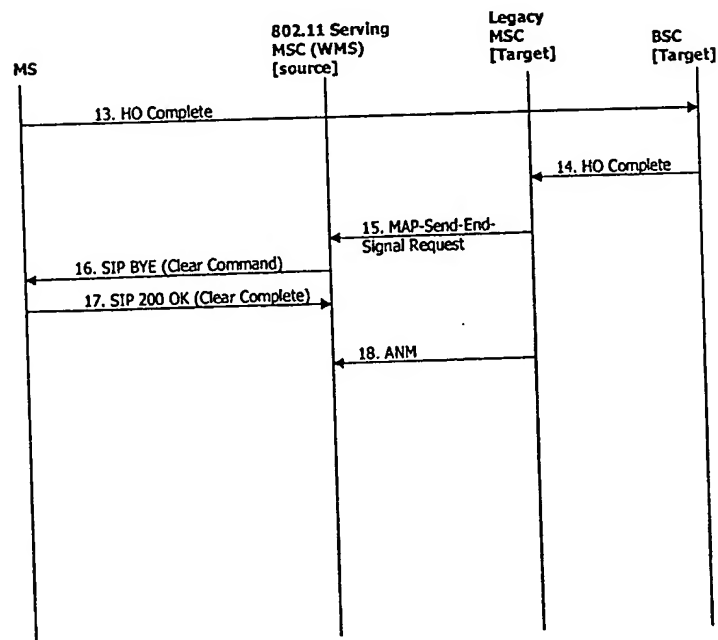
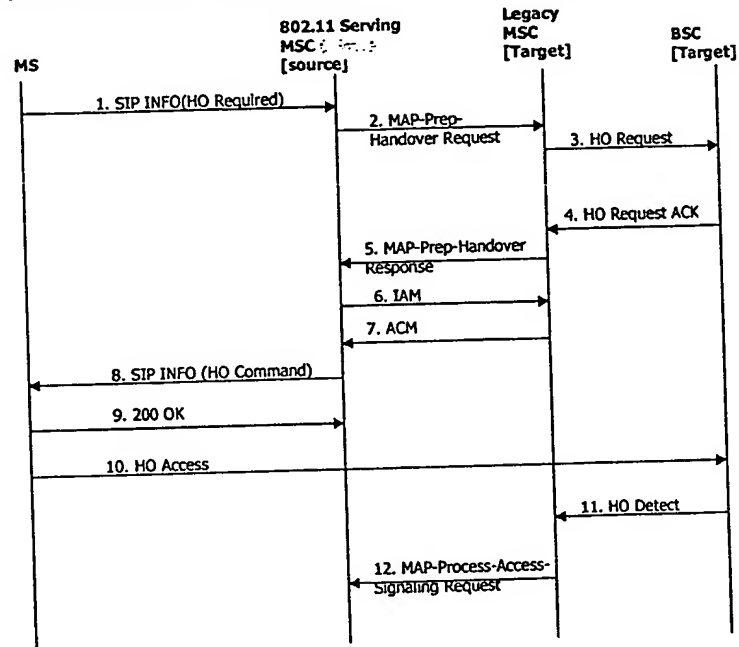


Figure 14

Hard Handoff from 802.11 MSC to Legacy GSM MSC



1005080-011702

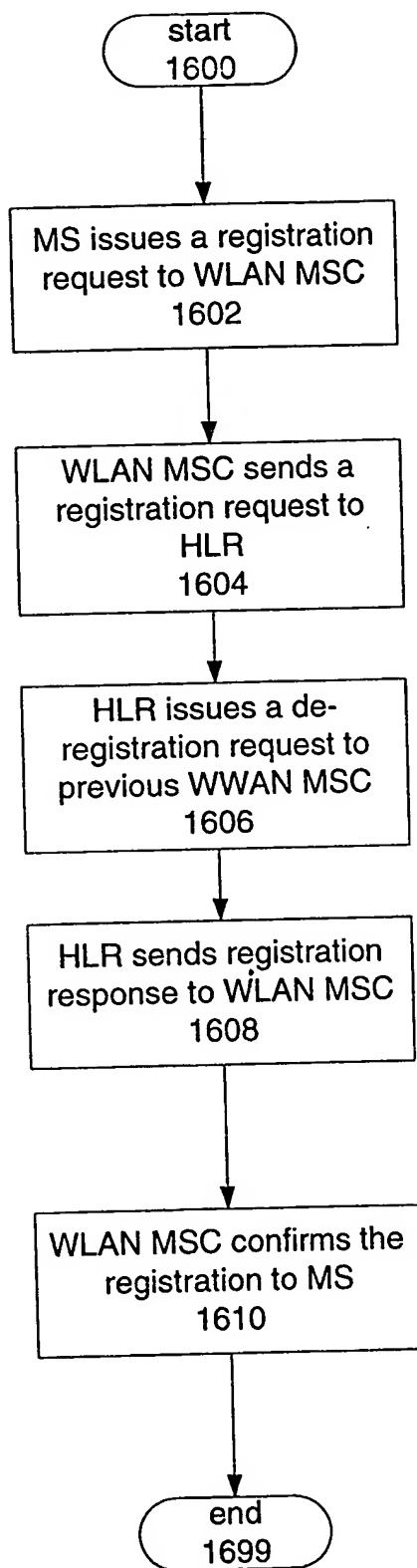


Fig. 16

Figure 17

MS enters 802.11 MSC area from IS41 MSC area

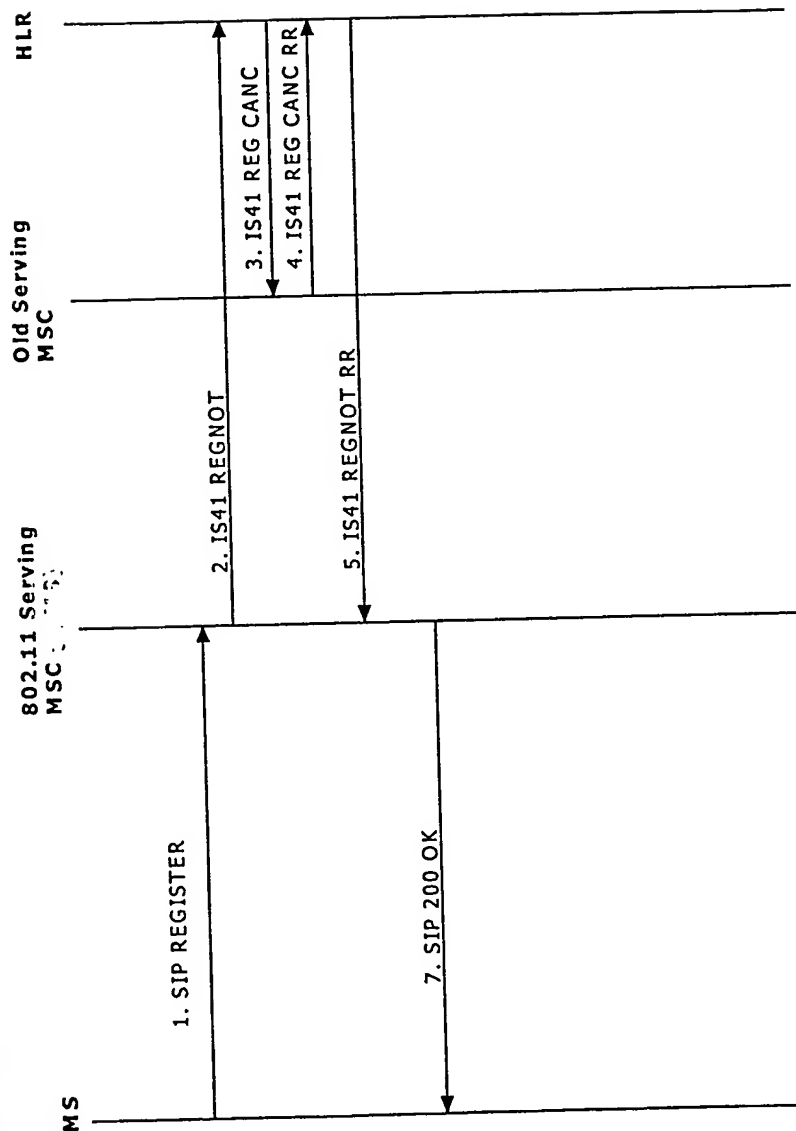
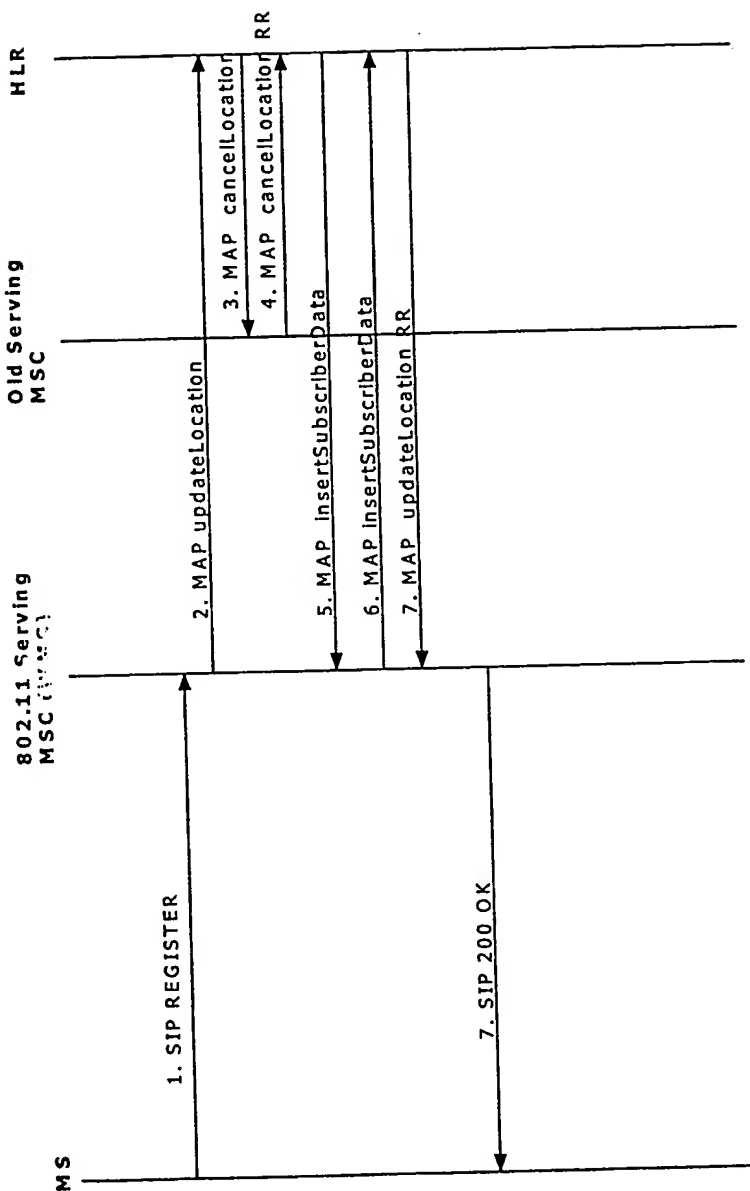


Figure 18

MS enters 802.11 MSC area from GSM MSC area



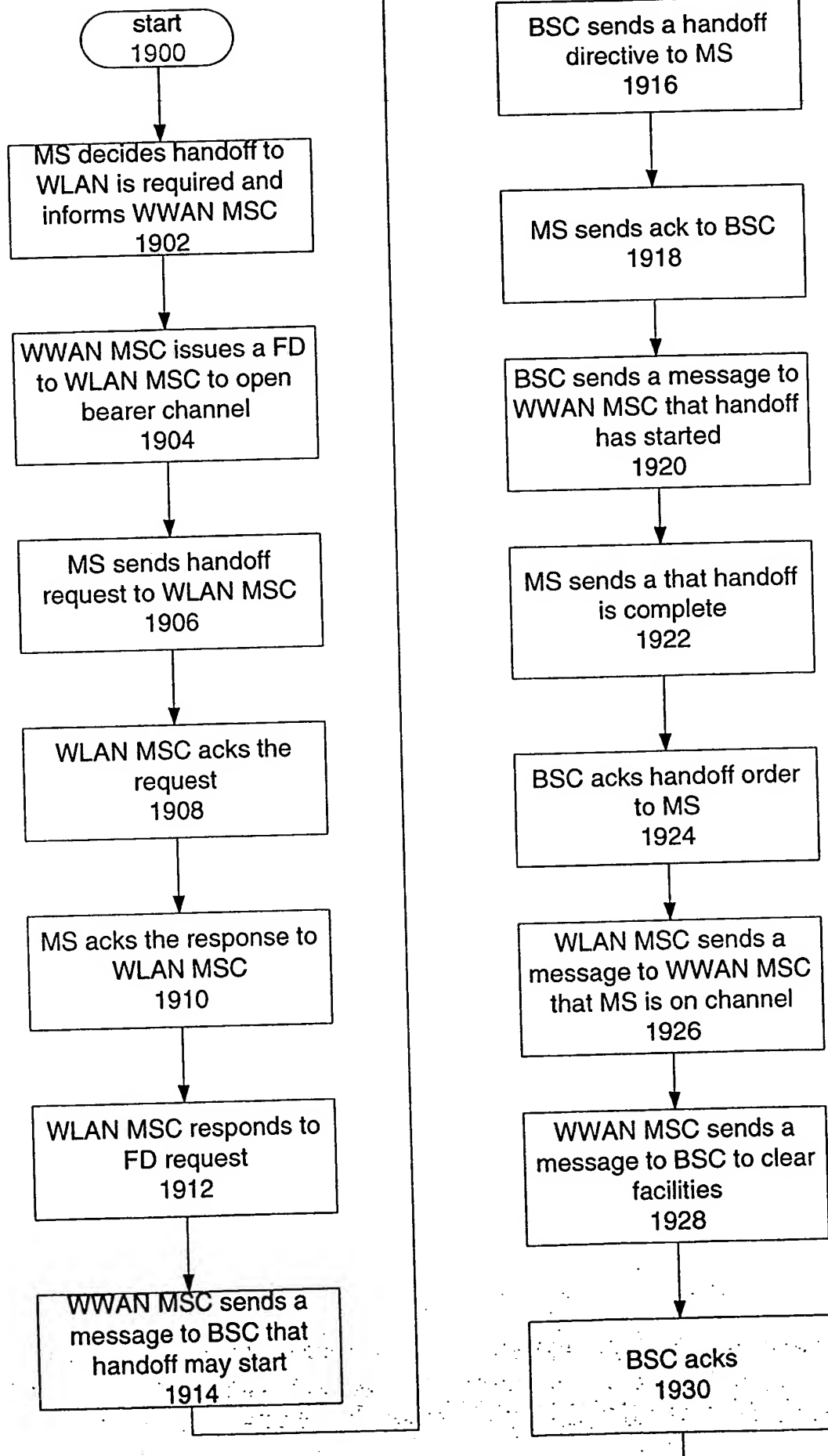


Fig. 19

Figure 20

Hard Handoff from Legacy IS41 MSC to 802.11 MSC

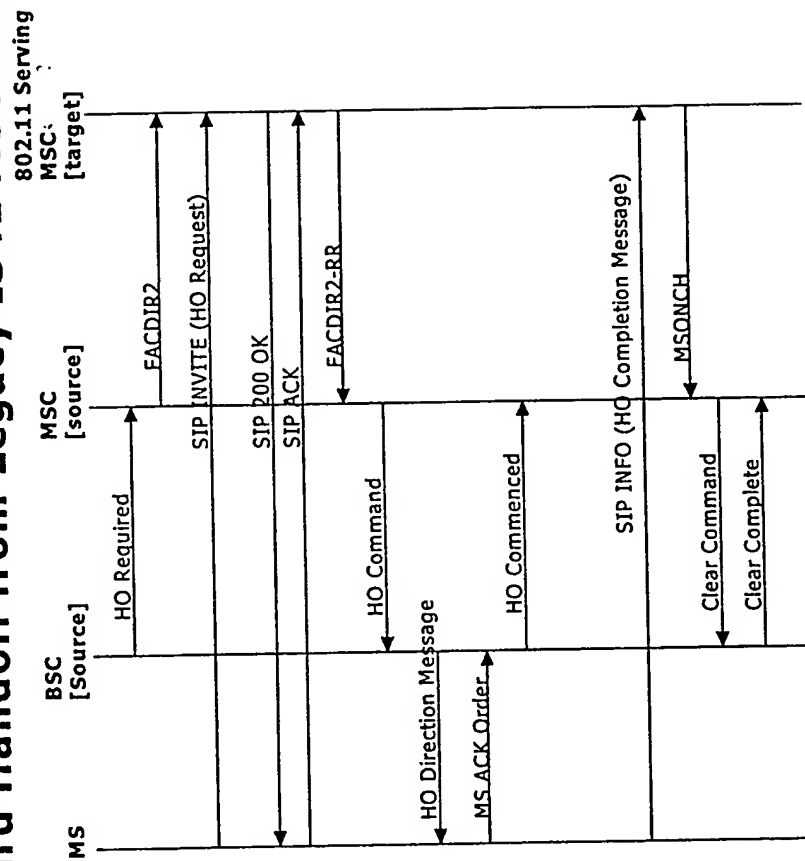


Figure 21

Hard Handoff from Legacy GSM MSC to 802.11 MSC

802.11 Serving
MSC [target]

MSC
[source]

BSC
[Source]

MS

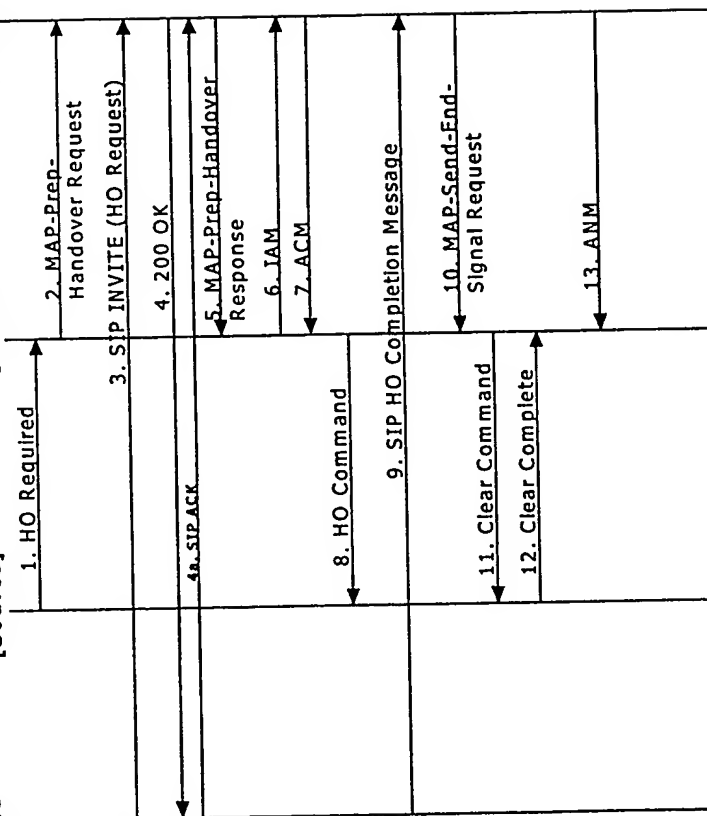


Figure 22

Delivery of Short Message Service in 802.11 MSC area

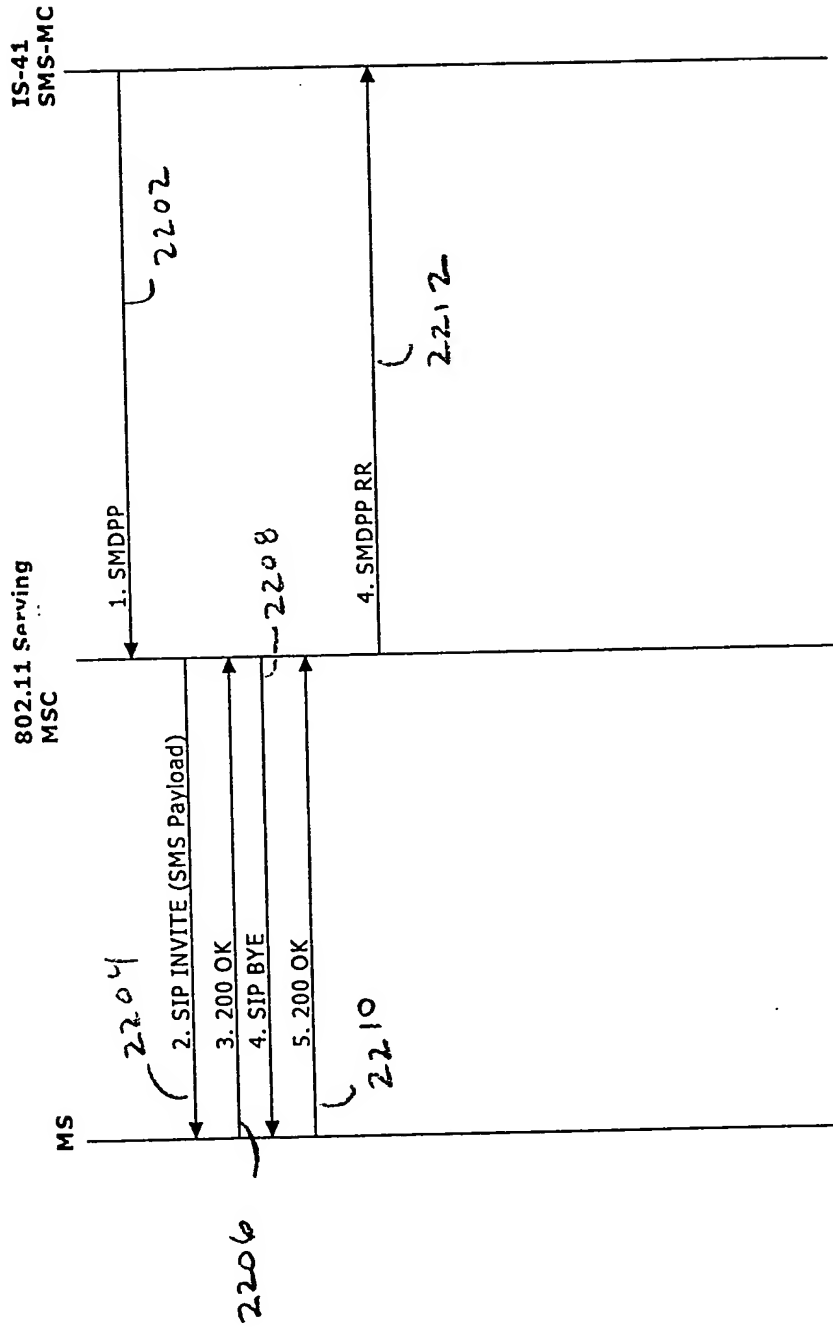


Figure 23

Delivery of IS41 MWN while in 802.11 MSC area

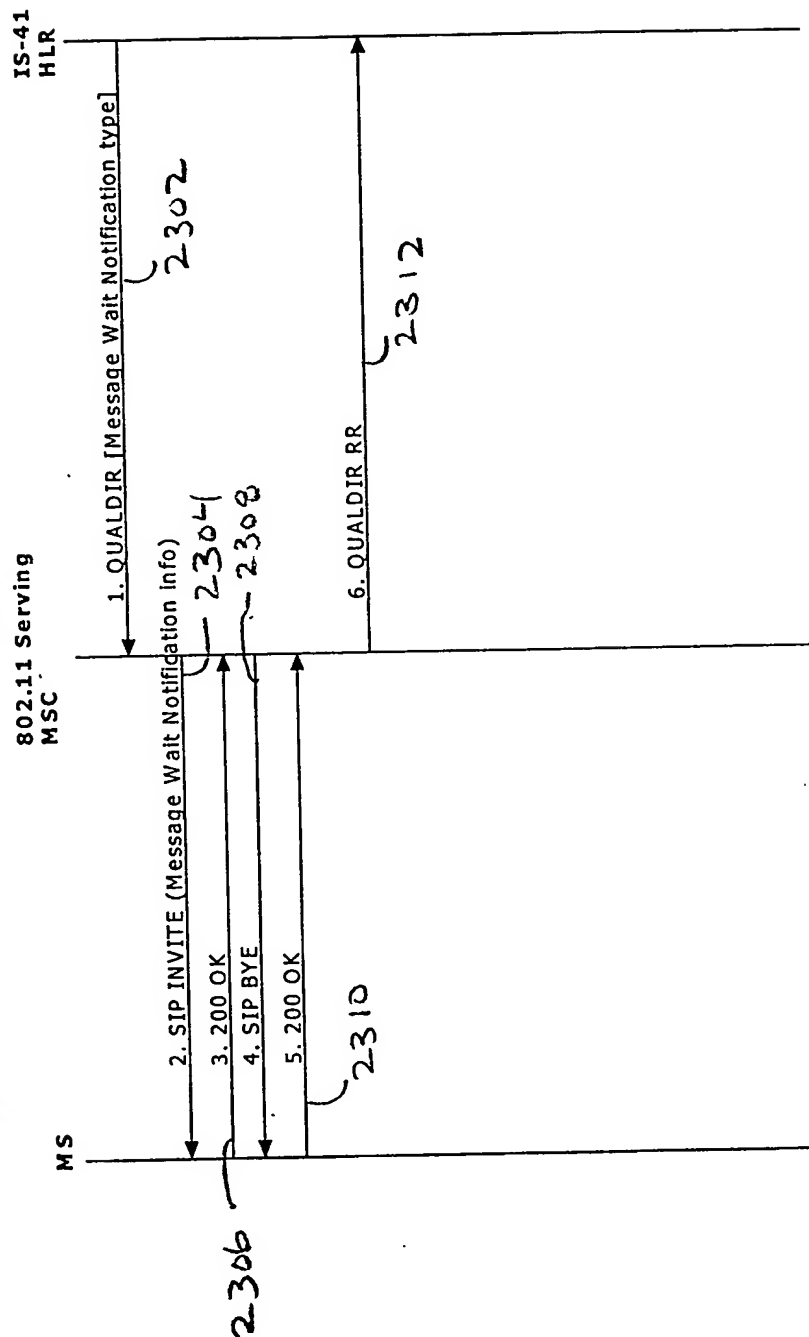


Figure 24

Intra Enterprise call (CDMA/IS41)

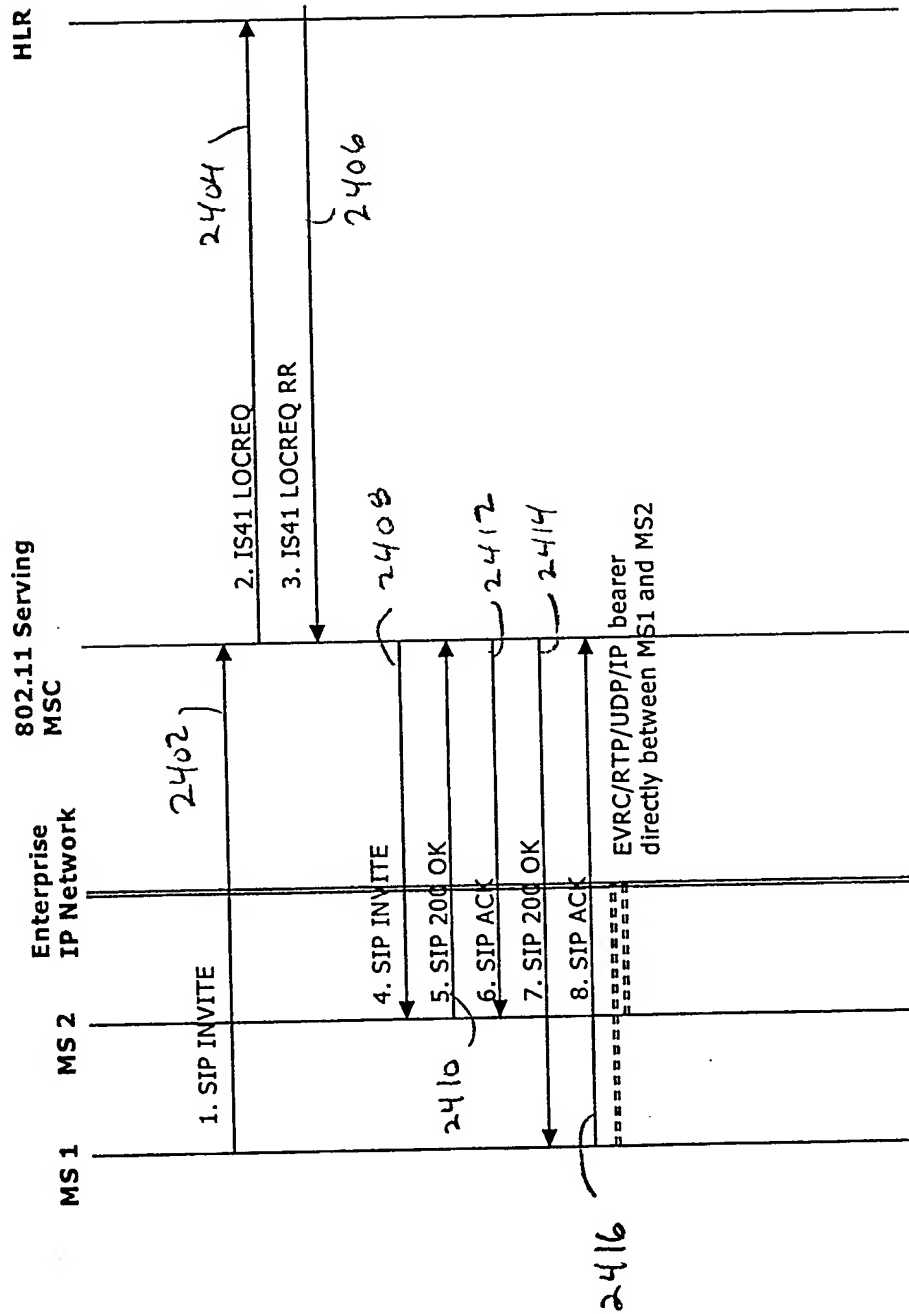


Figure 25

Intra Enterprise call (GSM / MAP)

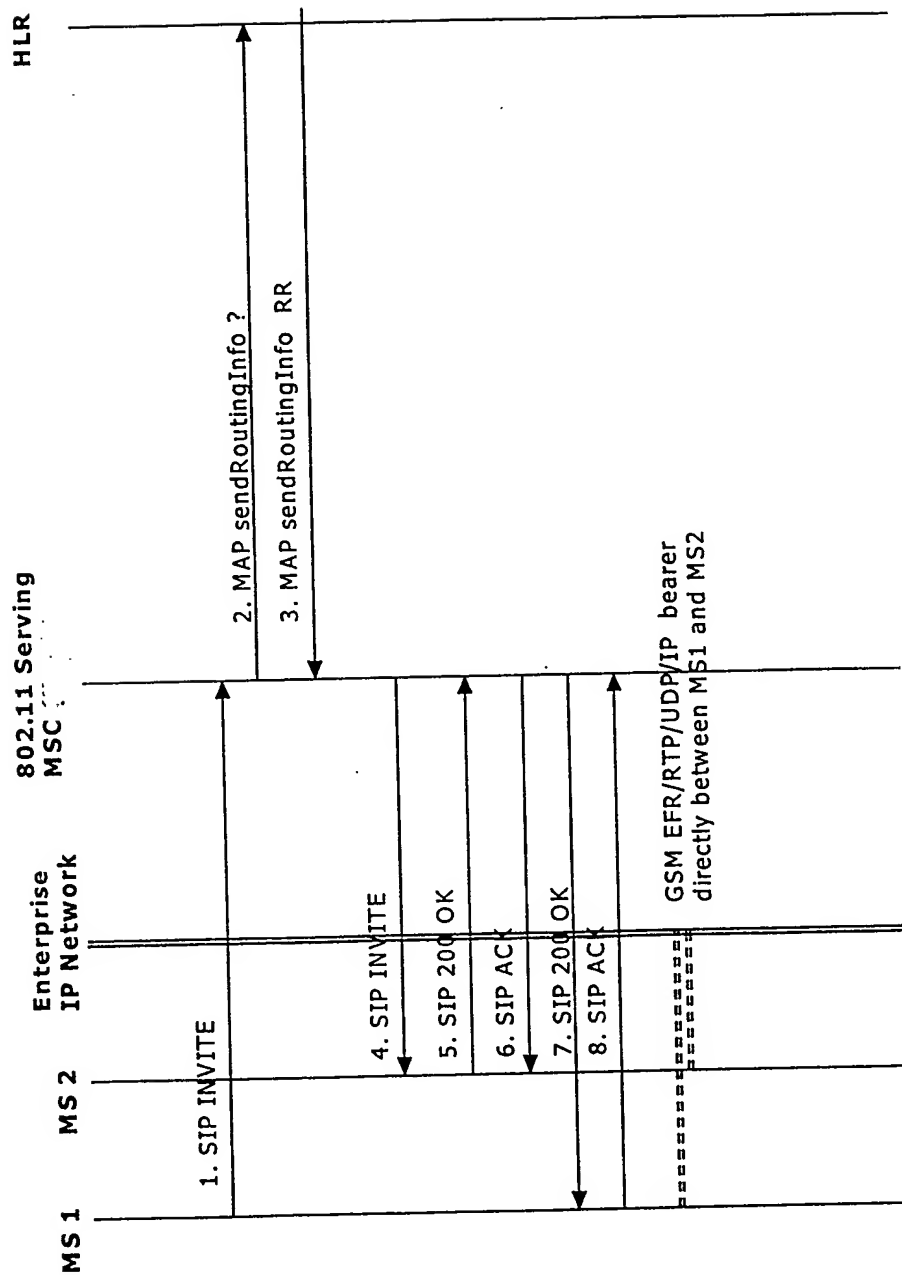


Figure 26

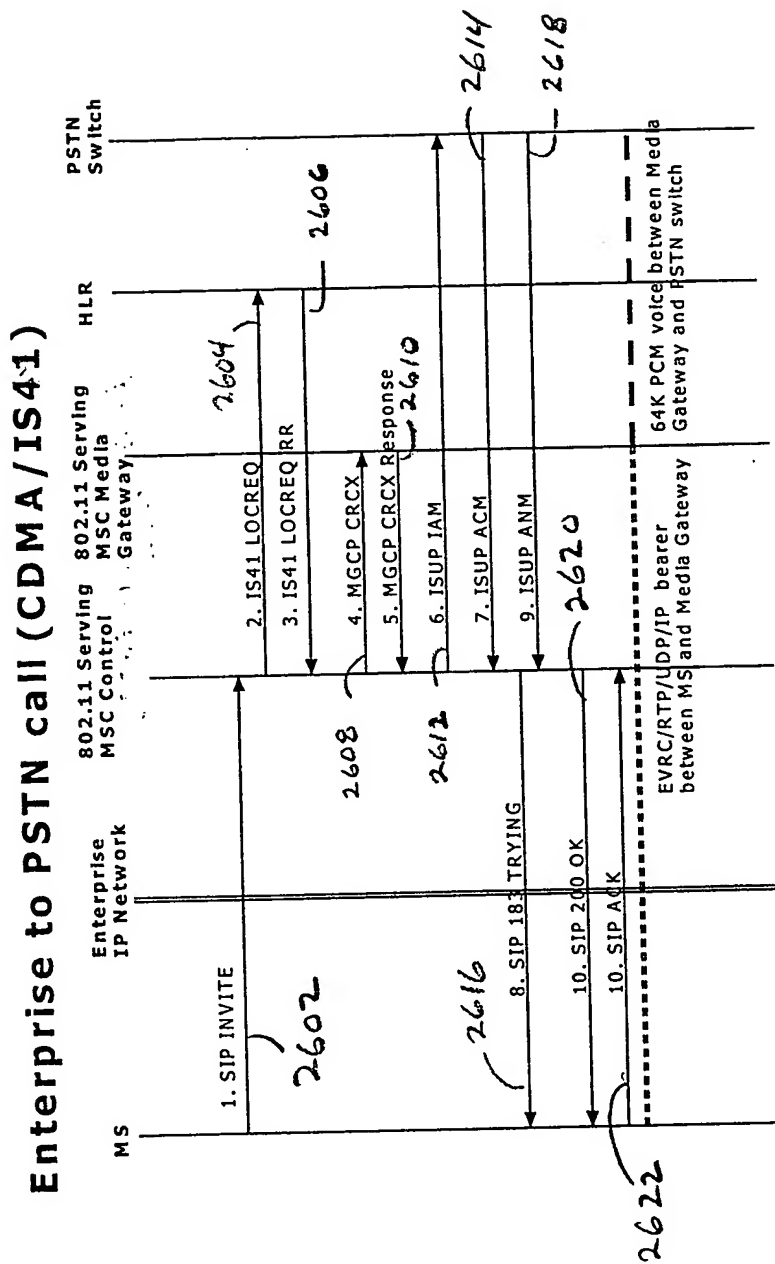


Figure 27

Enterprise to PSTN call (GSM / MAP)

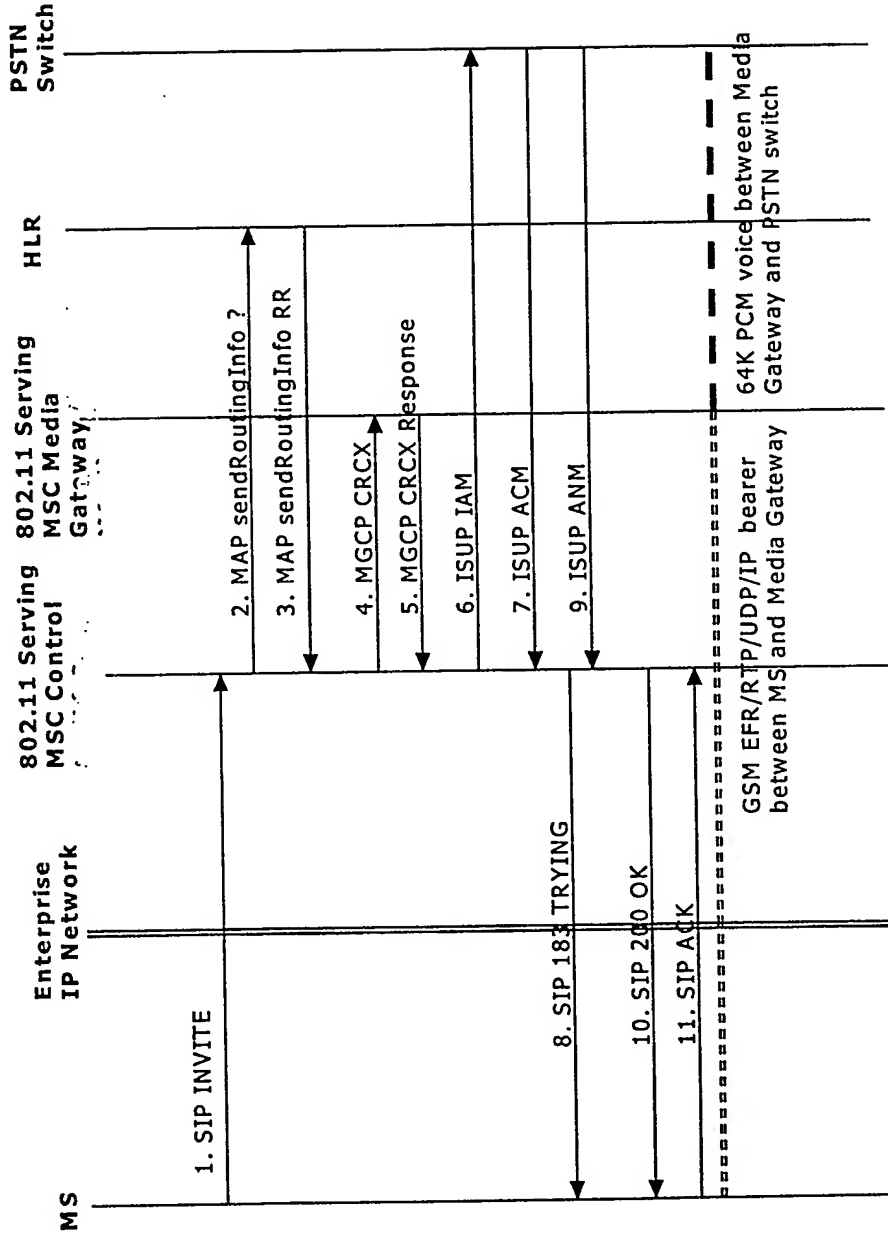


Figure 28

Enterprise to Macro GSM call with TFO (GSM/MAP)

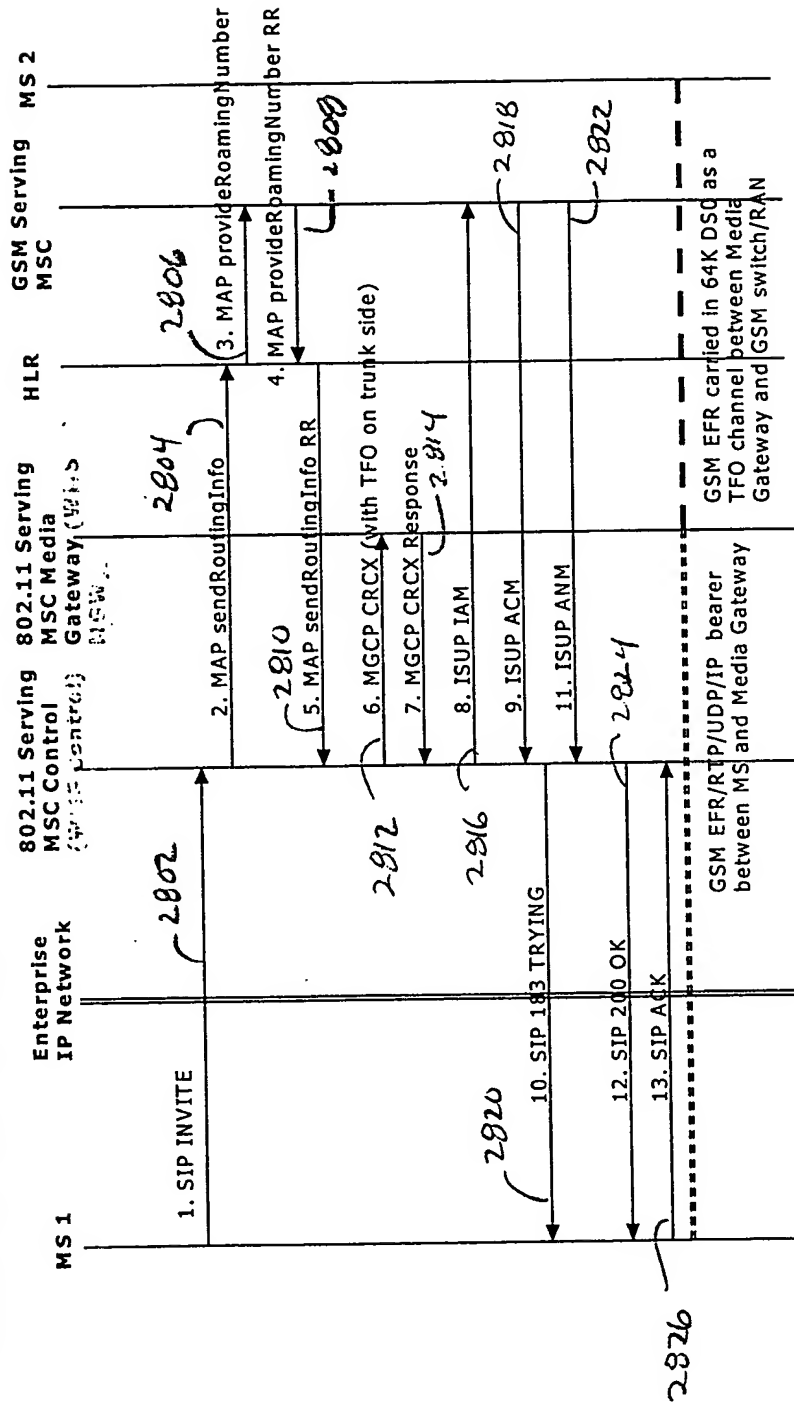
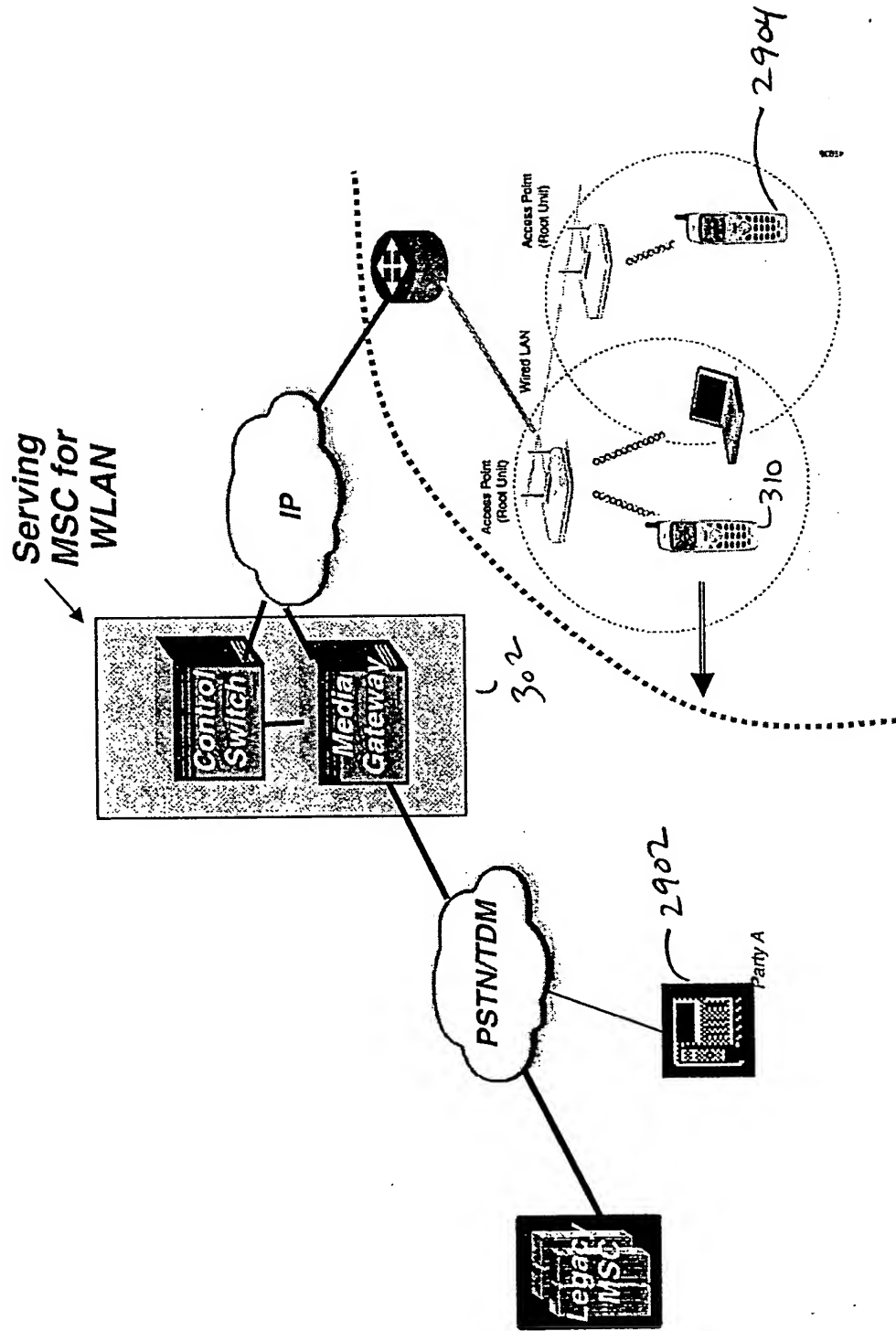


Figure 29



WLAN CONNECT

3002

MS while in call with Party A
determines imminent handoff

3004

MS asks WLAN switch for TLDN

3008

MS detects lack of WLAN
Connectivity.
Asks WWAN switch to connect
call using TLDN

3006

WLAN switch detects lack of
Connectivity to MS.
Puts Party A on hold.

3010

WWAN switch routes call to
WLAN switch

3012

WLAN switch recognizes TLDN;
Connects to party on hold

Fig. 30

Fig. 31

